

A/644

**TRANSMITTAL
FORM**



TRANSMITTAL FORM	Application Serial Number	10/037,296
	Filing Date	December 21, 2001
	First Named Inventor	Dahlbäck
	Group Art Unit	1644
	Examiner Name	Saunders, David A.
	Attorney Docket No.	INL-054DV
	Patent No.	Not applicable
	Issue Date	Not applicable

ENCLOSURES (check all that apply)

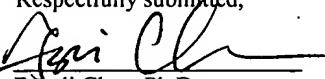
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
		<input type="checkbox"/> Appeal Brief (in triplicate)
		<input type="checkbox"/> Status Inquiry
		<input checked="" type="checkbox"/> Return Receipt Postcard
		<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
		<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
		<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets <u> </u>]		<input type="checkbox"/> Petition for Extension of Time
		<input type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations (B17-B19 and C157-C170)
		<input type="checkbox"/> Certified Copy of Priority Document(s)
		<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
 Kirkpatrick & Lockhart Nicholson
 Graham LLP
 75 State Street
 Boston, MA 02109-1808
 Tel. No.: (617) 261-3100
 Fax No.: (617) 261-3175

SIGNATURE BLOCK

Date: May 4, 2005
 Reg. No. 51,551
 Tel. No.: (617) 261-3198
 Fax No.: (617) 261-3175

Respectfully submitted,

 Fangli Chen, Ph.D.
 Agent for Applicant
 Kirkpatrick & Lockhart Nicholson
 Graham LLP
 75 State Street
 Boston, MA 02109-1808

FEE TRANSMITTAL
FY 2005

MAY 09 2005
JCB
U.S. PATENT & TRADEMARK OFFICE

Complete if Known

Application Serial Number	10/037,296
Filing Date	December 21, 2001
First Named Inventor	Dahlbäck
Group Art Unit	1644
Examiner Name	Saunders, David a.
Attorney Docket No.	INL-054DV

METHOD OF PAYMENT

1. Payment Enclosed:
 Check Money Order Other

2. The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 50-1721.
 Required Fees (copy of this sheet enclosed).
 Additional fee required under 37 CFR 1.16 and 1.17.
 Overpayment Credit.
3. Applicant claims small entity status.

FEE CALCULATION

1. FILING/SEARCH/EXAM/SIZE FEES

Large Entity

Fee (\$)	Fee Description	Fee Paid
300	Utility filing fee	
500	Utility search fee	
200	Utility exam fee	
250	Utility size fee (each add'l 50 pgs. over 100)	
200	Design filing fee	
100	Design search fee	
130	Design exam fee	
250	Design size fee (each add'l 50 pgs. over 100)	

	Number Filed	Number Extra	Rate	Amount
Total Claims	- 20 =		x \$ 50.00 =	
Independent Claims	- 3 =		x \$200.00 =	
<input type="checkbox"/> Multiple Dependent Claim(s), if any			\$360.00 =	
			TOTAL:	
			SUBTOTAL (1)	(\$) 0.00

2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	- =		x \$ 50.00 =	
Indep.	- =		x \$ 200.00 =	
<input type="checkbox"/> First Presentation of Multiple Dep. Claim		+ \$ 360.00 =		
			TOTAL:	(\$)
			SMALL ENTITY DISCOUNT:	(\$)
			SUBTOTAL (2)	(\$) 0.00

SUBTOTAL (3) **(\$)** 180.00

SUBTOTAL (1) **(\$)** 0.00

SUBTOTAL (2) **(\$)** 0.00

SUBTOTAL (3) **(\$)** 180.00

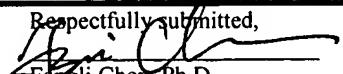
TOTAL **(\$)** 180.00

CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator
Kirkpatrick & Lockhart Nicholson
Graham LLP
75 State Street
Boston, MA 02109-1808
Tel. No.: (617) 261-3100
Fax No.: (617) 261-3175

Date: May 4, 2005
Reg. No.: 51,551
Tel. No.: (617) 261-3198
Fax No.: (617) 261-3175

Respectfully submitted,

Fangli Chen, Ph.D.
Attorney for the Applicants
Kirkpatrick & Lockhart Nicholson
Graham LLP
75 State Street
Boston, MA 02109-1808



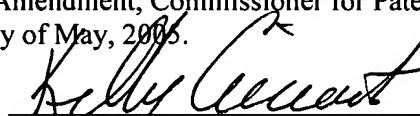
PATENT
Attorney Docket No. INL-054DV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Dahlbäck
SERIAL NO.: 10/037,296 GROUP NO.: 1644
FILING DATE: December 21, 2001 EXAMINER: Saunders, David A.
TITLE: Methods and Reagents for Determining Protein S

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 4th day of May, 2005.



Kelly B. Ciarmataro

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is/are:

1. Transmittal Form (1 pg.);
2. Fee Transmittal (1 pg.);
3. Supplemental Information Disclosure Statement (2 pgs.);
4. PTO Form 1449 (2 pgs.) (including cited references B17-B19 and C157-C170);
5. a Check in the amount of \$180.00; and
6. Return Receipt Postcard.



/

PATENT
Attorney Docket No. INL-054DV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Dahlbäck
SERIAL NO.: 10/037,296 GROUP NO.: 1644
FILING DATE: December 21, 2001 EXAMINER: Saunders, David A.
TITLE: Methods and Reagents for Determining Protein S

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the non-U.S. patent documents and non-patent publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1) within three (3) months of the **filings date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

(2) after the period defined in (1) above but before the mailing date of any of a **final action** under 37 C.F.R. 1.113, a **notice of allowance** under 37 C.F.R. 1.311, or an action that otherwise closes prosecution in the application, and

the requisite Statement is below, **OR**

the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein; or

Supplemental Information Disclosure Statement

Serial No. 10/037,296

Page 2 of 2

(3) after the period defined in (2) above but before the payment of the issue fee, AND

the requisite Statement is below, AND

the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the foreign patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Respectfully submitted,



Fangli Chen, Ph.D.

Agent for Applicant(s)

Kirkpatrick & Lockhart Nicholson

Graham LLP

75 State Street

Boston, Massachusetts 02109-1808

Date: May 4, 2005

Reg. No. 51,551

Tel. No.: (617) 261-3198

Fax No.: (617) 261-3175

BOS-841279 v1

FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: INL-054DV APPLICANT(S): Dahlbäck SERIAL NO.: 10/037,296 FILING DATE: December 21, 2001 GROUP NO.: 1644					
 U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	A45	4,184,849	1/22/80	Cambiaso et al.					
	A46	4,210,723	7/1/80	Dorman et al.					
	A47	4,401,765	8/30/83	Craig et al.					
	A48	4,480,042	10/30/84	Craig et al.					
	A49	4,843,021	6/27/89	Noguchi et al.					
	A50	5,095,097	3/10/92	Hermentin et al.					
	A51	5,585,278	12/17/96	Vunnam et al.					
	A52	5,741,658	4/21/98	Morrissey et al.					
	A53	5,858,648	1/12/99	Steel et al.					
	A54	6,124,430	9/26/00	Mischak et al.					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B17	0476545 A1	03/25/92	EP				Y	Y
	B18	0944837 B1	12/01/04	EP				N	Y
	B19	98/23963	06/04/98	WO				N	Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C 157	Brinkley "A Brief Survey of Methods for Preparing Protein Conjugates with Dyes, Haptens, and Cross-linking Reagents," <u>Bioconjugate Chemistry</u> , Vol. 3, No. 1, January/February 1992.							
EXAMINER				DATE CONSIDERED					

FORM PTO - 1449

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: INL-054DV

APPLICANT(S): Dahlbäck

SERIAL NO.: 10/037,296

FILING DATE: December 21, 2001

GROUP NO.: 1644

OTHER ART, JOURNAL ARTICLES, ETC.

	C 158	Dahlback, B. "Purification of Human Vitamin K-Dependent Protein S and its limited proteolysis by Thrombin" <u>The Biochemical Journal</u> , Vol. 209, No. 3, pp. 847-856, March 1, 1983.
	C 159	Dahlback, B. "Purification of Human C4b-binding Protein and Formation of its Complex with Vitamin K-dependent protein S" <u>The Biochemical Journal</u> , Vol. 209, No. 3, p. 837-846, March 1, 1983..
	C 160	Deffert et al., "A Direct, Automated, Immuno-Turbidimetric Assay of Free Protein S Antigen in Plasma" <u>Blood Coagulation and Fibrinolysis</u> , Vol. 12, No. 2, pp. 137-141, March 2001.
	C 161	Deutz-Terlouw et al., "Two ELISA's for measurement of protein S, and their use in the laboratory diagnosis of protein S deficiency", <u>Clinica Chimica Acta</u> , Bol 186, pp. 321-334, 1989.
	C 162	Erlanger, "Principles and Methods for the Preparation of Drug Protein Conjugates for Immunological Studies" <u>Pharmacological Reviews</u> , Vol. 25, No. 2: 271-280, 1973.
	C 163	Faioni et al. "Free Protein S Deficiency Is a Risk Factor for Venous Thrombosis" <u>Thrombosis and Haemostasis</u> , Vol. 78, No. 5, pp. 1343-1346, November 1997.
	C 164	Giri et al. "A New Direct, Fast and Quantitative Enzyme-linked Ligandsorbent Assay for Measurement of Free Protein S Antigen" <u>Thrombosis and Haemostasis</u> , Vol. 79, No. 4, pp. 767-772, April 1998.
	C 165	Murdock et al. "A Simple Monoclonal Antibody based ELISA for Free Protein S. Comparison with PEG Precipitation" <u>Clinical and Laboratory Haematology</u> , vol.19, pp. 111-114, 1997.
	C 166	Liles et al. "Prevalence of Factor V Leiden In Patients With Venous Thrombosis at a Major Referral Center for Thrombotic Conditions" <u>Thrombosis and Haemostasis</u> , Vol. 73, pg. 1259, June 6-12, 1997.
	C 167	Simmonds et al. "Genetic and Phenotypic Analysis of a Large (122-Member) Protein S- Deficient Kindred Provides an Explanation for the Familial Coexistence of Type I and Type III Plasma Phenotypes", <u>Blood</u> , Vol. 89, No. 12, pp. 4364-4370, June 15, 1997.
	C 168	Tombesi et al., "Evaluation of a New Method for Protein S Detection Using Monoclonal Antibodies", <u>Current Studies in Hematology and Blood Transfusion</u> , Vol. 58, pgs. 205-210, XP002123209, 1991.
	C 169	PCT Written Opinion of PCT/SE 97/01907, 6 pgs., January 1994.
	C 170	PCT International Search Report for PCT/US01/490006, 4 pgs. December 2002.

EXAMINER

DATE CONSIDERED